

Bio-sand filters come in varying styles and are available in a variety of materials. We chose cement because it makes a durable unit and can be built from readily available and economic materials.

A precision made mold is necessary to hold the cement until it cures, which takes about one day. We have ten molds available and can produce up to forty filters a week.



The forms are then filled with very fine sand that is thoroughly washed with clean water from the hospital's reverse osmosis water purification system.

Before the filter is placed in a home the family receives training in its use.

For more information you can email your request to info@laromana.org

Your support for this program will provide clean water and a healthier life for a family in the bateyes. This gift will help children grow stronger, attend school more regularly, and significantly change their lives.

The cost of building a bio-sand water filter and the administration of the clean water program costs \$75.00 per filter. Your gift of any amount helps us bring clean healthy potable water to more families. We are a volunteer organization and the full amount you contribute will be used for this program.

Visit us on the web at www.laromana.org and explore the many ministries we support in the sugar cane villages.



Please make your check payable to GSMC and mail it to GSMC, 800-126 Main Street, Holden, MA. GSMC is a 501(c)(3) public charity. Donations can be made using PayPal @ www.laromana.org Note Clean Water in the PURPOSE box.



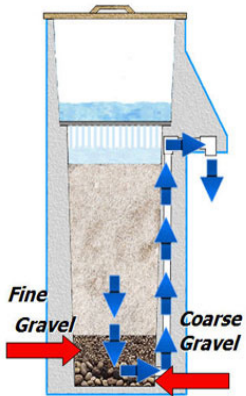
CLEAN WATER



The Good Samaritan Hospital in partnership with Rotary International is building BIO-SAND water filters and making them available to sugar cane families living in the bateyes of eastern the proveniences in the Dominican Republic.

A bio-sand filter is an inexpensive yet effective filter used to purify a water supply. It is a household adaptation of a slow sand filter developed by Dr. David Manz at the University of Calgary, Alberta. Studies have shown this filter removes more than 90 percent of harmful bacteria, 100 percent of parasites, 95 to 99 percent of iron, zinc, copper, cadmium, and lead, and all suspended sediments.

FUNCTION



- Filtered water rises through the tube and falls to the external container.
- The tube has a small orifice to restrict entry of insects, dust, and organic waste.

Since 2006 our mission work teams have been building and distributing these filters as quickly as we can. So far we have almost 1,000 units placed in homes. This is a fraction of the number needed before our work is complete.

For years our medical missionaries have been combating parasites with de-worming medicines.



A treatment of de-worming medicine cleans out a child's stomach and digestive system for only a short period of time, perhaps a month. Then the parasites return and rob them of what little nutrition they are able to get from the meager diet of rice, beans, sardines, and occasionally chicken.

Kristy Engle, an ABC International Ministry medical missionary working in La Romana has stated that the implementation of these filters can have a greater impact on children's health than any other program in place today.



The water in the glass on the left comes directly from the water available from the water pipes in the bateyes. On the right is the same water after it has passed through a bio-sand filter.

Each filter costs \$100.00. You can provide healthy water to a family with your gift using Paypal at www.laromana.org Just specify Clean Water in the PURPOSE box.